



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Test R		DATE: August 1, 2011	
PRODUCT NUMBER(S): 800-6086 (1006164)			
TRADE NAME: Test R GENERAL USE: Test Kit for Benzodiazepines CHEMICAL FAMILY: Dinitrobenzene test PRODUCT DESCRIPTION: Clear liquid first ampoule / rubbing alcohol odor. Clear liquid second ampoule / rubbing alcohol odor.			
MANUFACTURED FOR: Safariland LLC		DATE PREPARED: August 1, 2011	
		SUPERSEDES: October 15, 2008	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218		COUNTRY USA	
CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER			
		1-800-255-3924	01-813-248-0585
		North America Toll Free	International

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Irritation of eyes, nose, and throat. Splashes in the eyes or on the skin will cause severe skin burns (Ampoule 1). Inhalation of vapors may be injurious to the lungs. Repeated or prolonged exposure to dilute solutions of ampoules may cause irritation of the skin.

POTENTIAL HEALTH EFFECTS

INHALATION:
Irritation of throat. Inhalation of acrid vapors may be injurious to the lungs and with repeated inhalation causing chronic irritation/inflammation of nose, throat, and bronchial tubes.

SKIN:
Irritation and or burns by direct contact with contents of either ampoule.

EYES:
Chronic irritation of eyes, corneal burns are possible with exposure to contents of either ampoule.

INGESTION:
HIGHLY TOXIC BY INGESTION - MAY POTENTIALLY BE FATAL.

CARCINOGENICITY:
 NTP? **No** IARC MONOGRAPHS? **No** OSHA REGULATED? **No**
 CALIFORNIA, Prop.65? **No**

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Isopropanol, 1st Ampoule	>95	67-63-0	200-661-7	(+F)(+Xi)	R11, R36, R67
Sodium Hydroxide, 1st Ampoule	<1	1310-73-2	326-185-5	(+Xi)	R36/38
Isopropanol, 2nd Ampoule	>95	67-63-0	200-661-7	(+F)(+Xi)	R11, R36, R67
m-Dinitrobenzene, 2nd Ampoule	<1	99-65-0	202-776-8	(+T)(+N)	R26/27/28, R33, R50/53

Notes: **WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR REPRODUCTIVE HARM.** Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove to fresh air, apply CPR if victim is unconscious, administer oxygen, seek immediate medical attention.

EYES:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

SKIN:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

INGESTION:
If Swallowed, do not induce vomiting. Call a physician immediately.

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SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
 Product is flammable with the contents of both ampoules having flash point below 73°F (23°C). Sodium Hydroxide is corrosive to many metals with evolution of heat. Heated materials may give off toxic fumes.

EXTINGUISHING MEDIA:
 Foam or dry chemical is preferred, but water is acceptable, and is preferred for cooling ampoules.

FIRE FIGHTING PROCEDURES:
 Under fire conditions wearing NIOSH/MSA or European EN-149 approved SCBA's or acid gas=organic vapor respirators is required.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Ampoules may rupture under pressure and release flammable contents. Use water to cool containers.

HAZARDOUS COMBUSTION PRODUCTS:
 Carbon oxides, sodium oxide fumes, nitrogen oxides.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Wear protective equipment and ventilate area. Use baking soda (sodium bicarbonate) to absorb spill, then discard in hazardous waste container.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials. Avoid breathing vapors and prevent vapor accumulation in enclosed areas.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH			ACGIH		OSHA		
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Isopropanol, 1st Ampoule	200	260	250	325	200	260	200	260
Sodium Hydroxide, 1st Ampoule		2		10 IDLH	10	2 Ceiling		2
Isopropanol, 2nd Ampoule	400	980	500	1225	200	500	400	980
m-Dinitrobenzene, 2nd Ampoule		1		50mg/m ³ IDLH	0.15			1

PERSONAL PROTECTION

RESPIRATORY PROTECTION:
 Not needed in normal circumstances.

PROTECTIVE GLOVES:
 Impervious gloves (neoprene, nitrile) required when any contact potential with contents exists.

EYE PROTECTION:
 Do not get in eyes, wear safety glasses with side shield splash protection or chemical goggles.


OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
 An eye wash fountain and safety shower should be readily available where the potential for contact exists.

WORK / HYGIENIC PRACTICES:
 Wash thoroughly after handling. Have baking soda on hand to absorb spills.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Clear liquid first ampoule / rubbing alcohol odor. Clear liquid second ampoule / rubbing alcohol odor.	VAPOR PRESSURE ~33 mm Hg for both ampoules.
VOC NE Volatility NE	SPECIFIC GRAVITY (WATER = 1) <1 for both ampoules
BOILING POINT / BOILING RANGE NA	SOLUBILITY IN WATER Both ampoules are soluble.
FLASH POINT NR	VISCOSITY NA
FLAMMABLE LIMITS LEL: NR UEL: NR	VAPOR DENSITY (AIR = 1) ~2.1 for both ampoules.
AUTO-IGNITION TEMPERATURE NR	EVAPORATION RATE BUTYL ACETATE = 1) ~8.6 for both ampoules.

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY		STABLE X	CONDITIONS TO AVOID: Excessive heat, light exposure, contact with incompatible materials.
INCOMPATIBILITY (MATERIALS TO AVOID): Contact with most metals corrodes them severely. Contact with oxidizers may result in fire.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon oxides, nitrogen oxides.			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Isopropanol, 1st Ampoule	67-63-0 200-661-7	Oral, rat: LD50 = 5600 mg/kg.	64000 ppm/4H (inhalation, rat)
Sodium Hydroxide, 1st Ampoule	1310-73-2 326-185-5	Oral, Human: Lowest Published Lethal Dose = 1.57 mg/kg.	NR
Isopropanol, 2nd Ampoule	67-63-0 200-661-7	Oral, mouse: LD50 = 3600 mg/kg.	Inhalation, Mouse: 53000 mg/m ³
m-Dinitrobenzene, 2nd Ampoule	99-65-0 202-776-8	Oral, rat: LD50 = 59.5 mg/kg. Oral, wild bird: LD50 = 42 mg/kg.	Inhalation, rat: LC50 = 3124 ppm/1H.
SECTION 12 - ECOLOGICAL INFORMATION			
Product components are known to be harmful to the environment - do not release product to sewers or bodies of water.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.			
SECTION 14 - TRANSPORT INFORMATION			
GROUND SHIPMENT WITHIN USA (DOT):			
PROPER SHIPPING NAME:		None - Exempted Qty.	
CLASS/ PACK GROUP/ LABELING:		Class 3 with Excepted Qty. marking on package. No class 3 label required.	
NOTES: When shipped under 49CFR173.4a, This product is exempt from other labeling and waybill requirements.			
GROUND SHIPMENTS TO AND WITHIN CANADA (TDG):			
PROPER SHIPPING NAME:		None - Limited Quantity (within Canada), See above for US to Canada	
CLASS/ PACK GROUP/ LABELING:		Phrase "Ltd. Qty." on package. No additional requirements.	
NOTES: TDG only used for shipment within Canada, shipments from the US can follow DOT regulations. See TDG Sections 1.17 and 9.			
AIR SHIPMENTS (ICAO/IATA):			
PROPER SHIPPING NAME:		None - (Classified under UN1219 Isopropanol - Excepted Qty. E2)	
CLASS/ PACK GROUP/ LABELING:		Class 3 with Excepted Qty. marking on package. No class 3 label required.	
NOTES: This product is exempt from other labeling and waybill requirements.			
OCEAN SHIPMENTS (IMDG):			
PROPER SHIPPING NAME:		None	
CLASS/ PACK GROUP/ LABELING:		Class 3 with Excepted Qty. marking on package. No class 3 label required.	
NOTES: Shipping Paper required with statement "Dangerous Goods in Excepted Quantities" and number of packages.			
ALL SHIPMENTS EXCEEDING EXCEPTED QUANTITY / ALTERNATIVE SHIPPING INFORMATION:			
PROPER SHIPPING NAME:		UN 3316, Chemical Kit	
CLASS/ PACK GROUP/ LABELING:		Class 9, Pack Group III. Miscellaneous Label	
NOTES:		Full documentation required.	
			
<p>Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, TDG & UN information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.</p> <p>Information above does not account for overpacks or outer packings with multiple hazardous materials; consult shipper when multiple materials are shipped. Consult regulations for maximum outer packaging and overpack requirements</p>			

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **Ingredients are listed.**
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
 Acute Health: **Yes** Chronic Health: **Yes**
 Fire: **Yes** Sudden Release of Pressure: **No**
 Reactive: **No**

313 REPORTABLE INGREDIENTS: This material contains Sodium Hydroxide, m-Dinitrobenzene, and Isopropanol which are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.






CERCLA (USA - Comprehensive Response Compensation and Liability Act): **m-Dinitrobenzene - 100 lbs.**
Sodium Hydroxide - 1000 lbs.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 1,3-Dinitrobenzene**

State Right to Know: **Isopropanol:MA,NJ,PA,RI ; 1,3--Dinitrobenzene:MA,NJ,PA ; Sodium Hydroxide: ILL, MA, NJ, PA, RI**

CCPR (Canadian Controlled Products Regulations): **Not Listed.**
 CIDL (Canadian Ingredient Disclosure List): **Not listed.**
 CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Not Listed on CDSL.**
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**

WGK Water Quality Index: **3**

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<p>R11 : Highly flammable. R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25 : Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R22 : Harmful if swallowed. R26/27/28 : Very toxic by inhalation, in contact with skin and if swallowed. R33 : Danger of cumulative effects. R35 : Causes severe burns R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>	 (+F)-Flammable  Corrosive  (+N)-Harmful To The Environment  (+T)-Toxic  (+X)-Harmful	<p>S1/2 : Keep locked up and out of the reach of children. S7 : Keep container tightly closed. S16 : Keep away from sources of ignition - No smoking. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with plenty of . . . (to be specified by the manufacturer). S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S60 : This material and its container must be disposed of as hazardous waste. S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.</p>

SECTION 16 - OTHER INFORMATION

Legend:

N/A = Not Applicable	N/D = Not Determined	N/E = Not Established	N/R = Not Reported					
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	3 3 2 C	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0 = INSIGNIFICANT</td></tr> <tr><td>1 = SLIGHT</td></tr> <tr><td>2 = MODERATE</td></tr> <tr><td>3 = HIGH</td></tr> <tr><td>4 = EXTREME</td></tr> </table>	0 = INSIGNIFICANT	1 = SLIGHT	2 = MODERATE	3 = HIGH	4 = EXTREME
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.